VIDEO TUTORIAL

ⓘ Important!

This replacement procedure can be used for:
VW PASSAT (3B3) 1.8 T 20V, VW PASSAT Variant (3B6) 1.8 T 20V

The steps may slightly vary depending on the car design.

REQUIRED TOOLS:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Drive socket # 13
- Drive socket # 16
- Drive socket # 18
- Drive socket # 27
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Ball joint puller
- Bush and bearing driver set
- Flat Screwdriver
- Crow bar
- Pin punch
- Tap wrench
- Hammer
- Rubber mallet
- Wheel chock

AUTODOC recommends:

- Do not re-use the bearing assembly of your VOLKSWAGEN PASSAT B5 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Secure the wheels with chocks.

2

Loosen the wheel mounting bolts. Use wheel impact socket #17.

3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.

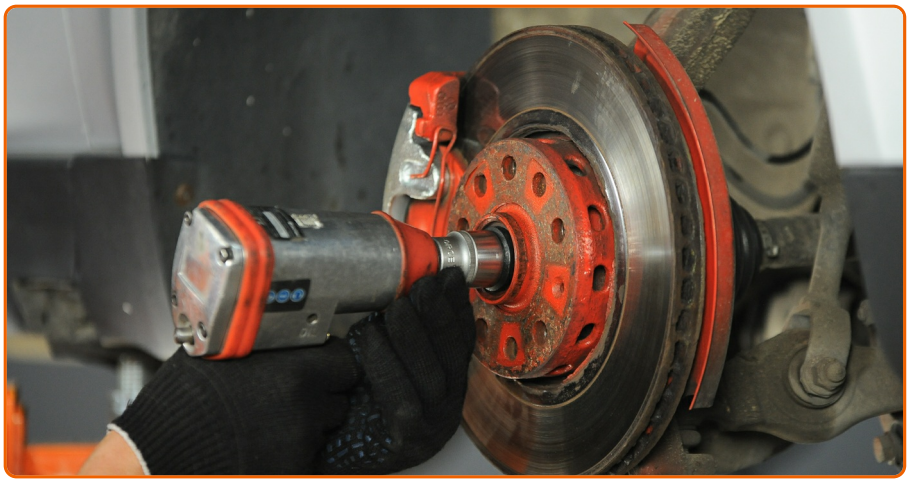
AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5

Remove the wheel.

6

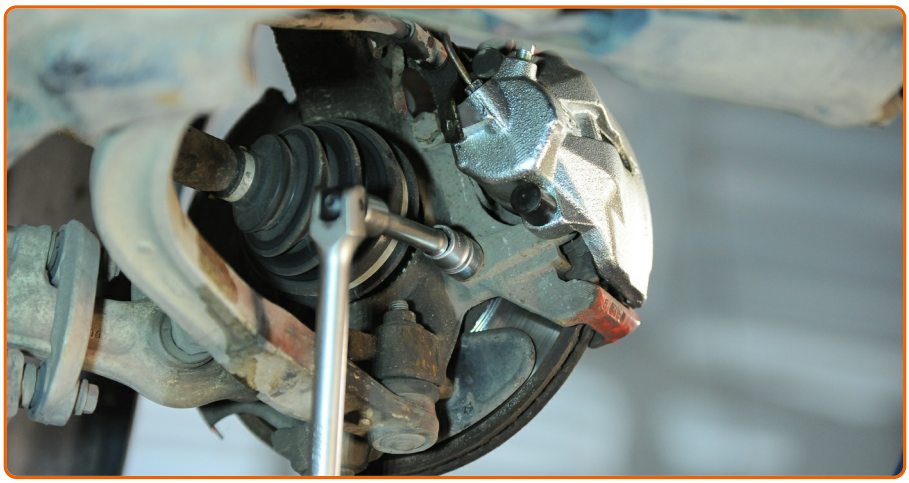


Unscrew the wheel hub axle nut. Use a drive socket #27.

7

Spread the brake pads. Use a flat screwdriver.

8



Unscrew the caliper bracket fastening. Use a drive socket #18. Use a ratchet wrench. Use a tap wrench.

9

Disconnect the ABS sensor electric socket. Use a flat screwdriver.

10

Disconnect the brake pad wear sensor plug. Use a flat screwdriver.

Please note!

- Some cars are not equipped with the brake pad wear sensor.

11

Remove the brake caliper together with its bracket.

AUTODOC recommends:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

12

Remove the brake disc. Use a rubber mallet.

13.1

Disconnect the ABS sensor wiring

13.2

Use a flat screwdriver.

14

Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

15

Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #18.

16

Disconnect the ball joint from the steering knuckle Use a ball joint puller. Use a hammer.

17

Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #18. Use a ratchet wrench.

18

Disconnect the ball joint from the steering knuckle Use a crowbar. Use a hammer.

19

Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

20

Unscrew the end fastening nut to the steering knuckle. Use a drive socket #13. Use a ratchet wrench.

21

Unscrew the end fastening nut to the steering knuckle. Use a drive socket #16. Use a ratchet wrench.

22

Disconnect the tie rod end from the steering knuckle. Use a flat screwdriver. Use a hammer.

23

Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

24

Unscrew the upper arm fastenings. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.

25

Remove the fastening bolt. Use a pin punch. Use a hammer.

26

Release the fastener that connects the control arm ball joint to the steering knuckle. Use a flat screwdriver. Use a pin punch. Use a hammer.

27

Detach the upper control arm from the steering knuckle.

28

Remove the steering knuckle together with the hub.

29

Press the wheel hub out from the tapered roller bearing. Use a bush and bearing driver set. Use a hammer.

30

Press out the wheel hub bearing. Use a bush and bearing driver set.

AUTODOC recommends:

- Apply special grease to the bearing assembly mounting seat.

31

Press the new bearing in the steering knuckle. Use a bush and bearing driver set.

AUTODOC recommends:

- Check to make sure the wheel hub bearing is positioned correctly. Avoid its misalignment.
- Stop pressing on the surface of the bearing immediately after it has been fitted into its mounting seat.

32

Press the wheel hub into the bearing inner race. Use a bush and bearing driver set.

33

Install the steering knuckle with a hub in assembly.

34

Clean the ball joint mounting seat. Use a wire brush. Use WD-40 spray.

35

Connect the ball joint to the steering knuckle

36

Tighten the ball joint fastener. Use a drive socket #18. Use a torque wrench. Tighten it to 75 Nm torque.

37

Install the fastening bolt. Use a hammer.

38

Attach the upper control arm to the steering knuckle. Use a flat screwdriver.

39

Tighten the upper arm fastenings Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 70 Nm torque.

40

Connect the tie rod end to the steering knuckle. Use a hammer.

41

Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #13. Use a torque wrench. Tighten it to 45 nm torque.

42

Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #16. Use a torque wrench. Tighten it to 70 nm torque.

43

Tighten the hub. Use a drive socket #27. Use a torque wrench. Tighten it to 165 nm torque.

44

Connect the ball joint to the steering knuckle

45

Tighten the ball joint fastener. Use a combination spanner #18. Use a torque wrench. Tighten it to 75 Nm torque.

46

Secure the wiring in the wheel arch with clips. Use a flat screwdriver.

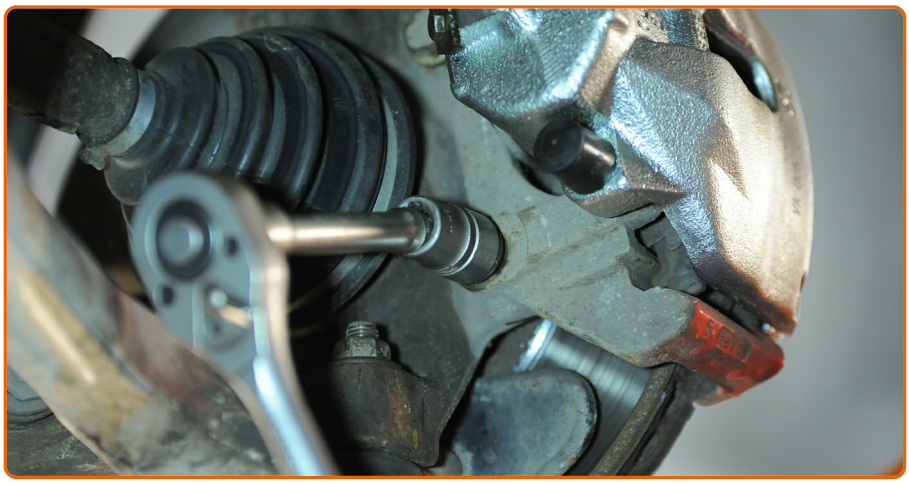
47

Install the brake disc.

48

Install the brake caliper together with its bracket.

49



Tighten the brake caliper bracket Use a drive socket #18. Use a torque wrench. Tighten it to 35 Nm torque.

50

Connect the ABS sensor cable fastener.

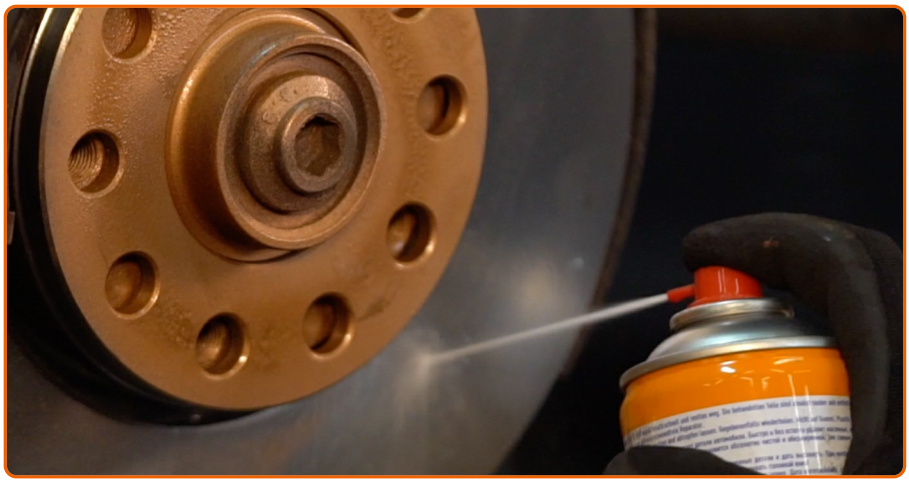
51

Connect the brake pads wear sensor.

52

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

53



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- After applying the spray, wait a few minutes.

54

Install the wheel.

AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

55

Screw in the wheel bolts. Use wheel impact socket #17.

56

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.

57

Remove the jacks and chocks.

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YES NO

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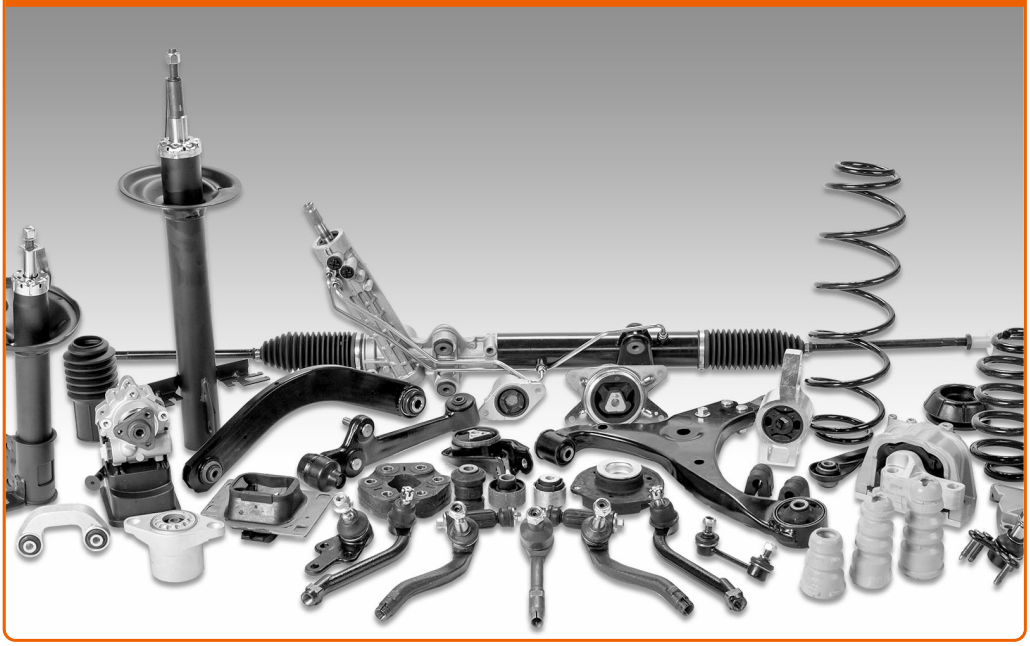

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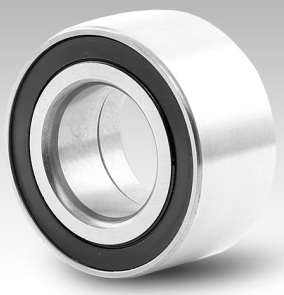
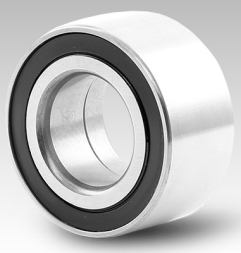


CHOOSE CAR PARTS FOR VOLKSWAGEN PASSAT B5 3B6

WHEEL BEARINGS FOR VOLKSWAGEN: BUY NOW



WHEEL BEARINGS FOR VOLKSWAGEN PASSAT B5 3B6: THE BEST DEALS & OFFERS

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